



**WATER MANAGEMENT DIVISION
MONTHLY REPORT**

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Prepared by: U.S. Army Engineer Division,
Great Lakes and Ohio River, PO Box 1159,
Cincinnati, OH 45201-1159

**RESERVOIR OPERATION AND SYSTEM STATUS
FOR JUNE 1999**

HIGHLIGHTS –The stage at Cairo began the month at 31.57’ and ended June at 28.81’. The Ohio River crested at Cairo on the 8th at 32.22 feet and the lowest stage was 26.73’ on the 27th. Normal stage for June is 26 feet.

WEATHER – The weather in the Ohio River Basin was generally above normal temperatures with a wide variation in precipitation. Temperatures averaged from near normal to 5 degrees above normal as an upper air ridge built over the eastern US early in the month. Precipitation continued well below normal for all of the basin above Cincinnati. The western half of the basin had generally above normal rainfall.

The following table summarizes temperature and precipitation for June:

TEMPERATURE AND PRECIPITATION – JUNE 1999

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	69.4	+1.5	1.67	-2.04
Charleston, WV	72.9	+1.5	1.30	-2.29
Columbus, OH	74.5	+5.3	0.65	-3.39
Cincinnati, OH	73.0	+2.0	3.16	-0.68
Louisville, KY	76.3	+3.1	6.36	+2.90
Indianapolis, IN	73.7	+1.8	2.57	-0.92
Evansville, IN	74.5	-0.3	6.27	+2.78

Nashville, TN	77.0	+1.0	3.54	-0.03
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STREAMFLOW -- Ohio River monthly average flows for June ranged from a low of 25 percent of normal at Evansville, IN to a high of 48 percent of normal at Paducah, KY. Daily flows ranged from a low of 4 percent of normal at Louisville, KY to a high of 93 percent of normal at Paducah, KY.

The following table presents the flow data summary for June at the Ohio River Index Stations:

FLOW DATA – JUNE 1999

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	7,868	33	74	19
Huntington, WV	19,967	35	88	11
Cincinnati, OH	22,100	29	53	13
Louisville, KY	22,233	27	55	4
Evansville, IN	24,633	25	65	6
Paducah, KY	93,667	48	93	28

RESERVOIRS -- June started with 0.5% utilization of the total system flood control storage and reached a high of 1.0% on the 30th. System-wide augmentation storage decreased from 97.0% at the beginning of the month to 92.4% by the end of the month. No significant flood storage utilization in excess of 25% occurred at any of the reservoir projects during June.

The following table depicts storage change by tributary reservoir subsystem for June:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-82,400
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-10,600

Twelvepole-Big Sandy-Little Sandy-Scioto	-10,400
Little Miami-Licking-Mill Creek-Great Miami	+200
Kentucky-Salt-Green-Wabash	+57,100
Cumberland	-224,900
TOTAL	-271,000

RONALD A. YATES, P.E.
Chief, Water Management Division